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7013	Pate		PTO/SB/21 (modified) use through xx/xx/xx, OMB 0651-0031 J.S. DEPARTMENT OF COMMERCE
000000 U.S. Department of Patent and Trader		Application Number	10/666,909
	_	Filing Date	September 17, 2003
TRANSMITTAL FOR	M	First Named Inventor	Brenda F. Baker et al.
(to be used for all correspondence during pe filed application)	ndency of	Group Art Unit Number	Not Yet Known
		Examiner Name	Not Yet Known
Total Number of Pages in This Submission	5**	Attorney Docket Number	23546-07993 (RTSP-0313US.P1)
ENCLO	OSURES	(check all that apply	y)
Fee Transmittal Form (in duplicate) Check Enclosed Return Receipt Postcard Response to Notice to File Missing Part Assignment & Recordation Cover Sheet Declaration Power of Attorney Application Data Sheet Information Disclosure Statement & PTO Copies of IDS Cited Reference Request for Corrected Filing Receipt Request for Correction of Recorded Ass Amendment/Response: [] Page(s) After Final Status Request Revocation and Substitute Power of Atte	t O-1449 ces signment	Appeal Commun Interferences Appeal Commun (Appeal Notice, I Certified Copy of	raftsperson (s): s) of Figure(s) [] hication to Board of Appeals and

	SIGNATURE OF ATTORNEY	OR AGENT		
Signature:	Mum Holl			
Attorney/Reg. No.:	Susan T. Hubl, Ph.D., Reg. No. 47,668	Dated:	October 12	2003 ، ما

REMARKS: ** References not included in total number of pages submitted.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:

Brenda F. Baker et al.

APPLICATION NO.:

10/666,909

FILING DATE:

September 17, 2003

TITLE:

DELIVERY OF OLIGONUCLEOTIDE COMPOUNDS INTO OSTEOCLASTS

AND MODULATION OF OSTEOCLAST DIFFERENTIATION

EXAMINER:

Not yet known

GROUP ART UNIT:

Not yet known

ATTY. DKT. NO.:

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The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Informa	tion Di	sclosure	Statement is being filed:					
\boxtimes	within	three m	nonths of the filing date of the application;					
	before	before the mailing of a first official action after the filing of a request for						
	contin	continued examination (RCE) under 37 CFR § 1.114;						
	after tl	hree mo	nths of the filing date of this national application or the date					
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	mailin	g date o	f the first official action on the merits, whichever event last					
	occurr	ed, but l	before the mailing date of the first to occur of either: (1) a					
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		This ap	plicatio	on relies, under	35 U.S.C. § 120, on the earlier filing date of prior
		applica	tion No	. [APPLICAT	ION NUMBER], filed on [FILING DATE], and the
		referen	ces cite	d therein are h	ereby referenced, but are not required to be provided
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		§ 1.56(c) more	than thirty day	ys prior to the filing of this Information Disclosure
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1	Consid	eration	of the li	isted reference	s and favorable action are solicited.
					Respectfully submitted,
					BRENDA F. BAKER et al.
		•			
Dated:	Octob o	er /	2/16	, 2003	By: Mynn Howl
			,		Susan T. Hubl, Ph.D. Patent Agent
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Substitute for form 1449A/PTO Complete if Known Applicati n No. 10/666,909 INFORMATION DISCLOSURE Filing Dat September 17, 2003 STATEMENT BY APPLICANT **First Named Inventor** Brenda F. Baker et al. Art Unit Not Yet Known mailed 12/14/03 **Examiner Name** Not Yet Known Attorney Docket Number 23546-07993 Sheet 3

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			U.S. PATE	NT DOCUMENTS
		Document No.		
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-5,985,554	11/16/1999	Tanimura et al.
	A2	US2002/0106799 A1	08/08/2002	Finer et al.

FOREIGN PATENT DOCUMENTS						
		Foreign Patent Document				
Examiner Initials*	Cite No.1	Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T _e	
	B1	WO 99/12567	03/19/1999	UAB Research Foundation		

	OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶			
	C1	Blair, H.C., 'Parathyroid Hormone-Regulated Production of Stem Cell Factor in Human Osteoblasts and Osteoblast-like Cells,' <i>Biochemical and Biophysical Research Communications</i> , 255, 1999, 778-784.				
	C2	Bowman, N. N. et al., 'Gap Junctional Intercellular Contributes to the Contraction of Rat Osteoblast Populated Collagen Lattices,' <i>Journal of Bone and Mineral Research</i> , Vol. 13, No. 11, 1998, 1700-1706.				
	C3	Du, P. et al., 'Regulation of PTH/PTH-Related Protein Receptor Expression by Endogenous PTH-Related Protein in the Rat Osteosarcoma Cell Line ROS 17/2.8,' <i>Endocrine</i> , Vol. 12, No. 1, February 2000, 25-33.				
	C4	Du, P. et al., 'Endogenous Parathyroid Hormone-Related Peptide Enhances Proliferation and Inhibits Differentiation in the Osteoblast-Like Cell Line ROS 17/2.8,' <i>Bone</i> , Vol. 26, No. 5, May 2000, 429-436.				
	C5	Enomoto, H. et al., 'Autocrine/Paracrine Function of Parathyroid Hormone-Related Peptide in Rat Osteoblast-Like Cells,' <i>Biochemical and Biophysical Research Communications</i> , Vol. 191, No. 3, March 31, 1993, 1261-1269.				

Examiner Signature	Date Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

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Substitute for form 1449A/PTO					Complete if Known
INFO		יפוח ו	CLOSUDE	Application No.	10/666,909
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Dat	September 17, 2003
STATEMENT BY APPLICANT		First Named Inventor	Brenda F. Baker et al.		
				Art Unit	Not Yet Known
				Examiner Name	Not Yet Known
Sheet	2	of	3	Attorney Docket Number	23546-07993

		OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Τ ⁶
	C6	Gotoh, M. et al., 'Enhancement of osteogenesis in vitro by a novel osteoblast differentiation-promoting compound, TAK-778, partly through the expression of Msx2,' <i>European Journal of Pharmacology</i> , 451, 2002, 19-25.	
	C7	Huang, B. K. et al., 'Insulin-Like Growth Factor I Production Is Essential for Anabolic Effects of Thyroid Hormone in Osteoblasts*,' <i>Journal of Bone and Mineral Research</i> , Vol. 15, No. 2, 2000, 188-197.	
.	C8	Ishibashi, H. et al., 'Involvement of type VI collagen in interleukin-4-induced mineralization by human osteoblast-like cells in vitro,' <i>Biochimica et Biophysica Acta</i> , 1472, 1999, 153-164.	
	C9	Jones, P. S. et al., 'Activation of Transcription by Estrogen Receptor α and β Is Cell Type- and Promotor-dependent*,' <i>The Journal of Biological Chemistry</i> , Vol. 274, No. 45, November 5, 1999, 32008-32014.	
	C10	Kong, YY. and Penninger, J.M., 'Molecular control of bone remodeling and osteoporosis,' experimental Gerontology, 35, © 2000, 947-956.	
	C11	Kruger, S. et al., 'Inhibitory Effects of Antisense Cathepsin B cDNA Transfection on Invasion and Motility in a Human Osteosarcoma Cell Line ¹ ,' Cancer Research, 59, December 1, 1999, 6010-6014.	
	C12	Kukita, A. et al., 'Osteoclast-Derived Zinc Finger (OCZF) Protein With POZ Domain, a Possible Transcriptional Repressor, Is Involved in Osteoclastogenesis,' <i>Blood</i> , Vol. 94, No. 6, September 15, 1999, 1987-1997.	
	C13	McCarthy, T. L. et al., 'Runt Domain Factor (Runx)-dependent Effects on CCAAT/Enhancer-binding Protein δ Expression and Activity in Osteoblasts*,' <i>The Journal of Biological Chemistry</i> , Vol. 275, No. 28, July 14, 2000, 21746-21753.	
	C14	Olie, R. A. et al., 'A Novel Antisense Oligonucleotide Targeting Survivin Expression Induces Apoptosis and Sensitizes Lung Cancer Cells to Chemotheraphy ¹ ,' Cancer Research, 60, June 1, 2000, 2805-2809.	
	C15	Riikonen, T. et al., 'Transforming Growth Factor-β Regulates Collagen Gel Contraction by Increasing α2β1 Integrin Expression in Osteogenic Cells*,' <i>The</i>	

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Substitute for form 1449A/PTO Complete if Known Applicati n No. 10/666,909 INFORMATION DISCLOSURE Filing Dat September 17, 2003 STATEMENT BY APPLICANT **First Named Inventor** Brenda F. Baker et al. Art Unit Not Yet Known **Examiner Name** Not Yet Known Attorney Docket Number Sheet 3 3 23546-07993

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS						
Examiner Initials*						
		Journal of Biological Chemistry, Vol. 270, No. 1, January 6, 1995, 376-382.				
	C16	Takeshita, A. et al., '1α,25-Dehydroxyvitamin D ₃ Synergism toward Transforming Growth Factor-β1-induced AP1 Transcriptional Activity in Mouse Osteoblastic Cells via Its Nuclear Receptor*,' <i>The Journal of Biological Chemistry</i> , Vol. 273, No. 24, June 12, 1998, 14738-14744.				
	C17	Vander Molen, M. A. et al., 'Gap Junctional Intercellular Communication Contributes to Hormonal Responsiveness in Osteoblastic Networks*,' <i>The Journal of Biological Chemistry</i> , Vol. 271, No. 21, May 24, 1996, 12165-12171.				
	C18	You, J. et al., 'P2Y Purinoceptors Are Responsible for Oscillatory Fluid Flow-induced Intracellular Calcium Mobilization in Osteoblastic Cells*,' <i>The Journal of Biological Chemistry</i> , Vol. 277, No. 50, December 13, 2002, 48724-48729.				

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Signature	Considered	
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